

Title (en)  
PAGING METHOD AND APPARATUS, AND STORAGE MEDIUM

Title (de)  
FUNKRUFVERFAHREN UND -VORRICHTUNG SOWIE SPEICHERMEDIUM

Title (fr)  
PROCÉDÉ ET APPAREIL DE RADIOMESSAGERIE ET SUPPORT DE STOCKAGE

Publication  
**EP 4210406 A4 20240529 (EN)**

Application  
**EP 20951950 A 20200903**

Priority  
CN 2020113267 W 20200903

Abstract (en)  
[origin: EP4210406A1] Provided are a paging method and apparatus, and a storage medium. The paging method comprises: in response to determining that there is a paging collision between initial paging occasions of a plurality of SIM cards, transmitting target indication information to a core network, wherein the target indication information is used for indicating that there is a paging collision; receiving a target paging offset value corresponding to a target SIM card among the plurality of SIM cards; and determining, on the basis of the target paging offset value, a target paging occasion for receiving a paging message by means of the target SIM card. The present disclosure can avoid a paging collision between a plurality of SIM cards on the same terminal, thus having a high availability.

IPC 8 full level  
**H04W 4/50** (2018.01); **H04W 12/45** (2021.01); **H04W 68/02** (2009.01)

CPC (source: CN EP US)  
**H04W 4/50** (2018.01 - EP); **H04W 8/183** (2013.01 - US); **H04W 12/45** (2021.01 - EP); **H04W 68/02** (2013.01 - CN EP US);  
**H04W 88/06** (2013.01 - CN); **H04W 8/183** (2013.01 - EP); **H04W 76/27** (2018.01 - EP); **H04W 88/06** (2013.01 - US)

Citation (search report)

- [X1] US 2020196273 A1 20200618 - OZTURK OZCAN [US], et al
- [X1] ERICSSON: "Paging collision avoidance", vol. RAN WG2, no. Electronic meeting, 6 August 2020 (2020-08-06), XP052360718, Retrieved from the Internet <URL:https://ftp.3gpp.org/tsg\_ran/WG2\_RL2/TSGR2\_111-e/Docs/R2-2007603.zip R2-2007603.docx> [retrieved on 20200806]
- [X1] QUALCOMM INCORPORATED ET AL: "Avoidance of paging collisions to minimize outage of services", vol. SA WG2, no. San Jose Del Cabo; 20170626 - 20170630, 25 June 2017 (2017-06-25), XP051303098, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings\_3GPP\_SYNC/SA2/Docs/> [retrieved on 20170625]
- [X1] QUALCOMM INCORPORATED ET AL: "Solution for paging collision avoidance", vol. SA WG2, no. Elbonia; 20200601 - 20200612, 22 May 2020 (2020-05-22), XP051889902, Retrieved from the Internet <URL:https://ftp.3gpp.org/tsg\_sa/WG2\_Arch/TSGS2\_139e\_Electronic/Docs/S2-2003894.zip S2-2003894\_was 2000116\_was 1912399\_was 11729\_Solution for paging collision avoidance.doc> [retrieved on 20200522]
- [A] "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Study on system enablers for devices having multiple Universal Subscriber Identity Modules (USIM) (Release 17)", no. V0.4.0, 24 June 2020 (2020-06-24), pages 1 - 77, XP051924123, Retrieved from the Internet <URL:ftp://ftp.3gpp.org/Specs/archive/23\_series/23.761/23761-040.zip 23761-040rm.docx> [retrieved on 20200624]
- See references of WO 2022047703A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 4210406 A1 20230712; EP 4210406 A4 20240529**; CN 112219429 A 20210112; US 2023337182 A1 20231019;  
WO 2022047703 A1 20220310

DOCDB simple family (application)  
**EP 20951950 A 20200903**; CN 2020113267 W 20200903; CN 202080002128 A 20200903; US 202018043778 A 20200903